GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: May 9, 2005, 20:44:48 ; Search time 477 Seconds
(without alignments)
6101.749 Million cell updates/sec

Title: US-09-806-302A-1
Perfect score: 476
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 5654200 seqs, 3057283753 residues

Total number of hits satisfying chosen parameters: 11308400

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*
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22: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	476	100.0	476	9	US-09-985-911-5	Sequence 5, Appli
2	476	100.0	476	19	US-10-820-136-5	Sequence 5, Appli
3	434.2	91.2	497	9	US-09-110-716-30	Sequence 30, Appl
4	431.6	90.7	517	14	US-10-097-340-186	Sequence 186, App
5	431.6	90.7	517	15	US-10-177-293-279	Sequence 279, App
6	431.6	90.7	517	16	US-10-119-431-26	Sequence 26, Appl
7	431.6	90.7	517	17	US-10-295-027-503	Sequence 503, App
8	431.6	90.7	517	18	US-10-723-860-1450	Sequence 1450, Ap
9	431.6	90.7	733	14	US-10-198-846-10282	Sequence 10282, A
10	429.6	90.3	503	19	US-10-491-997-23	Sequence 23, Appl
11	424.8	89.2	677	18	US-10-723-860-5905	Sequence 5905, Ap
12	407.4	85.6	491	9	US-09-967-768A-62	Sequence 62, Appl
13	407.4	85.6	491	19	US-10-843-641A-6207	Sequence 6207, Ap
c 14	295.2	62.0	522	10	US-09-814-353-2203	Sequence 2203, Ap
c 15	295.2	62.0	522	10	US-09-814-353-8543	Sequence 8543, Ap
c 16	295.2	62.0	636	10	US-09-814-353-14927	Sequence 14927, A
17	293.4	61.6	407	14	US-10-198-846-8737	Sequence 8737, Ap
18	291.8	61.3	499	14	US-10-198-846-129	Sequence 129, App
19	280	58.8	368	9	US-09-867-701-6508	Sequence 6508, Ap
20	223.8	47.0	495	9	US-09-956-999-5	Sequence 5, Appli
21	223.8	47.0	495	9	US-09-934-054-4	Sequence 4, Appli
22	223.8	47.0	503	9	US-09-110-716-33	Sequence 33, Appl
23	223.8	47.0	503	9	US-09-934-054-11	Sequence 11, Appl
24	223.8	47.0	503	10	US-09-905-673-27	Sequence 27, Appl
25	223.8	47.0	503	14	US-10-042-945-69	Sequence 69, Appl
26	223.8	47.0	503	15	US-10-157-031-55	Sequence 55, Appl
27	223.8	47.0	503	15	US-10-177-293-277	Sequence 277, App
28	223.8	47.0	503	16	US-10-096-319-27	Sequence 27, Appl
29	223.8	47.0	503	16	US-10-393-590-3	Sequence 3, Appli
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31	223.8	47.0	503	16	US-10-394-087-3	Sequence 3, Appli
32	223.8	47.0	503	18	US-10-283-975A-405	Sequence 405, App
33	223.8	47.0	503	18	US-10-427-217A-17	Sequence 17, Appl
34	223.8	47.0	503	18	US-10-427-217A-18	Sequence 18, Appl
35	223.8	47.0	535	10	US-09-975-502A-1	Sequence 1, Appli
36	223.8	47.0	535	18	US-10-816-326-1	Sequence 1, Appli
37	223.8	47.0	552	18	US-10-723-860-4972	Sequence 4972, Ap
38	223.8	47.0	700	14	US-10-198-846-10860	Sequence 10860, A
39	223.8	47.0	751	14	US-10-198-846-8492	Sequence 8492, Ap
40	223.8	47.0	878	14	US-10-198-846-10961	Sequence 10961, A
41	222.2	46.7	503	9	US-09-825-301-73	Sequence 73, Appl
42	222.2	46.7	503	16	US-10-033-527-73	Sequence 73, Appl
43	217	45.6	871	14	US-10-198-846-1659	Sequence 1659, Ap
44	211.6	44.5	429	10	US-09-905-673-49	Sequence 49, Appl
45	211.6	44.5	429	16	US-10-096-319-49	Sequence 49, Appl

ALIGNMENTS

RESULT 1
US-09-985-911-5
; Sequence 5, Application US/09985911
; Patent No. US20020151012A1
; GENERAL INFORMATION:
; APPLICANT: NI ET AL.
; TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III
; FILE REFERENCE: PF257D3
; CURRENT APPLICATION NUMBER: US/09/985,911
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: 09/583,169
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/263,810
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 08/821,451
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: 60/014,724
; PRIOR FILING DATE: 1996-03-21
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 476
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (46)..(330)
; OTHER INFORMATION:
; NAME/KEY: sig_peptide
; LOCATION: (46)..(108)
; OTHER INFORMATION:
; NAME/KEY: mat_peptide
; LOCATION: (109)..(330)
; OTHER INFORMATION:

US-09-985-911-5

Query Match 100.0%; Score 476; DB 9; Length 476;
Best Local Similarity 100.0%; Pred. No. 2.5e-146;
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
US-10-820-136-5
; Sequence 5, Application US/10820136
; Publication No. US20050026179A1
; GENERAL INFORMATION:
; APPLICANT: NI ET AL.
; TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III
; FILE REFERENCE: PF257D3
; CURRENT APPLICATION NUMBER: US/10/820,136
; CURRENT FILING DATE: 2004-04-08
; PRIOR APPLICATION NUMBER: US/09/985,911
; PRIOR FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: 09/583,169
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/263,810
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 08/821,451
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: 60/014,724
; PRIOR FILING DATE: 1996-03-21
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 476
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (46)..(330)
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: (46)..(108)
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: (109)..(330)
; OTHER INFORMATION:
US-10-820-136-5

Query Match 100.0%; Score 476; DB 19; Length 476;
Best Local Similarity 100.0%; Pred. No. 2.5e-146;
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        421 GCTTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATTCATTCCATTTCA 476
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RESULT 3
US-09-110-716-30
; Sequence 30, Application US/09110716A
; Patent No. US20020034739A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Zhao, Chengquan
; APPLICANT: Glasgow, Benjamin J.
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
; FILE REFERENCE: 22000-20596.00
; CURRENT APPLICATION NUMBER: US/09/110,716A
; CURRENT FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 30
; LENGTH: 497
; TYPE: DNA
; ORGANISM: lipophilin C
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (41)..(325)
US-09-110-716-30

Query Match 91.2%; Score 434.2; DB 9; Length 497;
Best Local Similarity 97.8%; Pred. No. 1.7e-132;
Matches 451; Conservative 0; Mismatches 8; Indels 2; Gaps 1;

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Qy        126 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 185
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Db        121 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 180

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Qy        246 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 305
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Qy        306 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 365
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Qy        366 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTT--CTTCTTGTGTTGCT 423
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Qy        424 TTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATT 464
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Db        421 TTTTATGTGGAAACTGCTAGACAACTGTTGAAACCTCAAAT 461
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RESULT 4
US-10-097-340-186
; Sequence 186, Application US/10097340
; Publication No. US20030087250A1
; GENERAL INFORMATION:
; APPLICANT: John MONAHAN
; APPLICANT: Manjula GANNAVARAPU
; APPLICANT: Sebastian HOERSCH
; APPLICANT: Shubhangi KAMATKAR
; APPLICANT: Steve G. KOVATS
; APPLICANT: Rachel E. MEYERS
; APPLICANT: Michael MORRISEY
; APPLICANT: Peter OLANDT
; APPLICANT: Ami SEN
; APPLICANT: Peter VEIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. BAST, Jr.
; APPLICANT: Karen LU
; APPLICANT: Rosemarie SCHMANDT
; APPLICANT: Xumei ZHAO
; APPLICANT: Karen GLATT
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
; FILE REFERENCE: MRI-030
; CURRENT APPLICATION NUMBER: US/10/097,340
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 186
; LENGTH: 517
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-097-340-186

Query Match 90.7%; Score 431.6; DB 14; Length 517;
Best Local Similarity 97.4%; Pred. No. 1.3e-131;
Matches 450; Conservative 0; Mismatches 9; Indels 3; Gaps 1;

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Db         25 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 84

Qy         66 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125
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Qy        126 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 185
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Db        145 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 204

Qy        186 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 245
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Db        205 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 264

Qy        246 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 305
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Db        265 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 324

Qy        306 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 365
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Db        385 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTTCTTTCTTGTGTTGTC 444

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RESULT 5
US-10-177-293-279
; Sequence 279, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572

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;  PRIOR FILING DATE: 2001-06-27
;  PRIOR APPLICATION NUMBER: US 60/306,501
;  PRIOR FILING DATE: 2001-07-18
;  PRIOR APPLICATION NUMBER: US 60/325,002
;  PRIOR FILING DATE: 2001-09-25
;  PRIOR APPLICATION NUMBER: US 60/362,585
;  PRIOR FILING DATE: 2002-03-05
;  PRIOR APPLICATION NUMBER: US 60/xxx,xxx
;  PRIOR FILING DATE: 2002-05-14
;  NUMBER OF SEQ ID NOS: 506
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 279
;   LENGTH: 517
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-177-293-279

  Query Match           90.7%;  Score 431.6;  DB 15;  Length 517;
  Best Local Similarity   97.4%;  Pred. No. 1.3e-131;
  Matches  450;  Conservative    0;  Mismatches    9;  Indels    3;  Gaps    1;

Qy          6 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 65
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         25 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 84

Qy         66 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         85 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 144

Qy        126 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 185
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        145 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 204

Qy        186 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 245
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        205 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 264

Qy        246 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 305
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        265 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 324

Qy        306 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 365
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        325 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 384

Qy        366 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTG---TTGC 422
              ||||||||||||||||||||||||||||||||||||||||||||  |  ||  |   |
Db        385 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTTCTTTCTTGTGTTGTC 444

Qy        423 TTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATT 464
              |||||||||||| |||||||||||||||||||||||||||| |
Db        445 TTTTTATGTGGAAACTGCTAGACAACTGTTGAAACCTCAAAT 486


RESULT 6
US-10-119-431-26
; Sequence 26, Application US/10119431
; Publication No. US20030152939A1
; GENERAL INFORMATION:
;  APPLICANT: Smithson, Glennda
;  APPLICANT:  Zerhusen, Bryan
;  APPLICANT:  Zhong, Mei
;  APPLICANT:  Khramtsov, Nikolai
;  APPLICANT:  Li, Li
;  APPLICANT:  Gusev, Vladimir
;  APPLICANT:  Padigaru, Muralidhara
;  APPLICANT:  Anderson, David
;  APPLICANT:  Shimkets, Richard A.
;  TITLE OF INVENTION: NOVEL SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING
;  TITLE OF INVENTION:  THEM
;  FILE REFERENCE: Cura-29 CIP1
;  CURRENT APPLICATION NUMBER: US/10/119,431
;  CURRENT FILING DATE:  2002-11-15
;  PRIOR APPLICATION NUMBER: 60/103,195
;  PRIOR FILING DATE: 1998-10-06
;  PRIOR APPLICATION NUMBER: 60/282,548
;  PRIOR FILING DATE: 2001-04-09
;  PRIOR APPLICATION NUMBER: 09/412,231
;  PRIOR FILING DATE: 1999-10-05
;  NUMBER OF SEQ ID NOS: 46
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
;   LENGTH: 517
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-119-431-26

  Query Match           90.7%;  Score 431.6;  DB 16;  Length 517;
  Best Local Similarity   97.4%;  Pred. No. 1.3e-131;
  Matches  450;  Conservative    0;  Mismatches    9;  Indels    3;  Gaps    1;

Qy          6 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 65
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         25 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 84

Qy         66 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         85 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 144

Qy        126 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 185
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        145 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 204

Qy        186 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 245
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        205 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 264

Qy        246 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 305
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        265 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 324

Qy        306 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 365
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        325 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 384

Qy        366 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTG---TTGC 422
              ||||||||||||||||||||||||||||||||||||||||||||  |  ||  |   |
Db        385 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTTCTTTCTTGTGTTGTC 444

Qy        423 TTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATT 464
              |||||||||||| |||||||||||||||||||||||||||| |
Db        445 TTTTTATGTGGAAACTGCTAGACAACTGTTGAAACCTCAAAT 486


RESULT 7
US-10-295-027-503
; Sequence 503, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
;  APPLICANT: Afar, Daniel
;  APPLICANT:  Aziz, Natasha
;  APPLICANT:  Ginsberg, Wendy M.
;  APPLICANT:  Gish, Kurt C.
;  APPLICANT:  Glynne, Richard
;  APPLICANT:  Hevezi, Peter A.
;  APPLICANT:  Mack, David H.
;  APPLICANT:  Murray, Richard
;  APPLICANT:  Watson, Susan R.
;  APPLICANT:  Eos Biotechnology, Inc.
;  TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
;  TITLE OF INVENTION:  Methods of Screening for Modulators of Cancer
;  FILE REFERENCE: 018501-012500US
;  CURRENT APPLICATION NUMBER: US/10/295,027
;  CURRENT FILING DATE:  2002-11-13
;  PRIOR APPLICATION NUMBER: US 09/663,733
;  PRIOR FILING DATE: 2000-09-15
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; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 503
; LENGTH: 517
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-503

Query Match 90.7%; Score 431.6; DB 17; Length 517;
Best Local Similarity 97.4%; Pred. No. 1.3e-131;
Matches 450; Conservative 0; Mismatches 9; Indels 3; Gaps 1;

```
Qy          6 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 65
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         25 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 84

Qy         66 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         85 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 144

Qy        126 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 185
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        145 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 204

Qy        186 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 245
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        205 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 264

Qy        246 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 305
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        265 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 324

Qy        306 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 365
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        325 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 384

Qy        366 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTG---TTGC 422
              |||||||||||||||||||||||||||||||||||||||||||  | |  ||   | |
Db        385 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTTCTTTCTTGTGTTGTC 444

Qy        423 TTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATT 464
              |||||||||||| |||||||||||||||||||||||||||| |
Db        445 TTTTTATGTGGAAACTGCTAGACAACTGTTGAAACCTCAAAT 486
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RESULT 8
US-10-723-860-1450
; Sequence 1450, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1450
; LENGTH: 517
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-860-1450

Query Match 90.7%; Score 431.6; DB 18; Length 517;
Best Local Similarity 97.4%; Pred. No. 1.3e-131;
Matches 450; Conservative 0; Mismatches 9; Indels 3; Gaps 1;

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Qy          6 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 65
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         25 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 84

Qy         66 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         85 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 144

Qy        126 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 185
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        145 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 204

Qy        186 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 245
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        205 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 264

Qy        246 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 305
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        265 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 324

Qy        306 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 365
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        325 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 384

Qy        366 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTG---TTGC 422
              |||||||||||||||||||||||||||||||||||||||||||  | |  ||   | |
Db        385 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTTCTTTCTTGTGTTGTC 444

Qy        423 TTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATT 464
              |||||||||||| |||||||||||||||||||||||||||| |
Db        445 TTTTTATGTGGAAACTGCTAGACAACTGTTGAAACCTCAAAT 486
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RESULT 9
US-10-198-846-10282
; Sequence 10282, Application US/10198846
; Publication No. US20030099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10282
; LENGTH: 733
; TYPE: DNA

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;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1, 2, 731, 732, 733
;   OTHER INFORMATION: n = A,T,C or G
US-10-198-846-10282

  Query Match             90.7%;  Score 431.6;  DB 14;  Length 733;
  Best Local Similarity   97.4%;  Pred. No. 1.6e-131;
  Matches  450;  Conservative    0;  Mismatches    9;  Indels    3;  Gaps    1;

Qy          6 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 65
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         79 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 138

Qy         66 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        139 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 198

Qy        126 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 185
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        199 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 258

Qy        186 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 245
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        259 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 318

Qy        246 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 305
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        319 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 378

Qy        306 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 365
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        379 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 438

Qy        366 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTG---TTGC 422
              ||||||||||||||||||||||||||||||||||||||||||||  | |  ||   | |
Db        439 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTTCTTTCTTGTGTTGTC 498

Qy        423 TTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATT 464
              |||||||||||| |||||||||||||||||||||||||| |
Db        499 TTTTTATGTGGAAACTGCTAGACAACTGTTGAAACCTCAAAT 540


RESULT 10
US-10-491-997-23
; Sequence 23, Application US/10491997
; Publication No. US20050089957A1
; GENERAL INFORMATION:
;  APPLICANT: Goddard,Audrey
;  APPLICANT:  Gurney,Austin L.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
;  TITLE OF INVENTION:  TREATMENT OF INFLAMMATORY BOWEL DISORDERS
;  FILE REFERENCE: P1915R1 US
;  CURRENT APPLICATION NUMBER: US/10/491,997
;  CURRENT FILING DATE:  2004-04-07
;  PRIOR APPLICATION NUMBER: PCT/US02/33070
;  PRIOR FILING DATE: 2002-10-15
;  PRIOR APPLICATION NUMBER: US 60/340,083
;  PRIOR FILING DATE: 2001-10-19
;  NUMBER OF SEQ ID NOS: 162
; SEQ ID NO 23
;   LENGTH: 503
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-491-997-23

  Query Match             90.3%;  Score 429.6;  DB 19;  Length 503;
  Best Local Similarity   97.4%;  Pred. No. 5.7e-131;
  Matches  448;  Conservative    0;  Mismatches    9;  Indels    3;  Gaps    1;

Qy          8 GCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTCA 67
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Db          9 GCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTCA 68

Qy         68 TGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGACA 127
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         69 TGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGACA 128

Qy        128 TGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAAG 187
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        129 TGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAAG 188

Qy        188 AGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTCA 247
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        189 AGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTCA 248

Qy        248 ACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAGCA 307
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        249 ACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAGCA 308

Qy        308 TTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACAG 367
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        309 TTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACAG 368

Qy        368 ACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTG---TTGCTT 424
              ||||||||||||||||||||||||||||||||||||||||||||  | |  ||   | |||
Db        369 ACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTTCTTTCTTGTGTTGTCTT 428

Qy        425 TTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATT 464
              |||||||| |||||||||||||||||||||||||| |
Db        429 TTTATGTGGAAACTGCTAGACAACTGTTGAAACCTCAAAT 468


RESULT 11
US-10-723-860-5905
; Sequence 5905, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
;  APPLICANT: Aziz, Natasha
;  APPLICANT:  Ginsburg, Wendy M.
;  APPLICANT:  Zlotnik, Albert
;  TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
;  TITLE OF INVENTION:  Methods for Screening for Soft Tissue Sarcoma Modulators
;  FILE REFERENCE: 05882.0193.NPUS01
;  CURRENT APPLICATION NUMBER: US/10/723,860
;  CURRENT FILING DATE:  2003-11-26
;  PRIOR APPLICATION NUMBER: 60/429,739
;  PRIOR FILING DATE: 2002-11-26
;  NUMBER OF SEQ ID NOS: 8393
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5905
;   LENGTH: 677
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (61)..(62)
;   OTHER INFORMATION: n is a, c, g, or t
US-10-723-860-5905

  Query Match             89.2%;  Score 424.8;  DB 18;  Length 677;
  Best Local Similarity   96.3%;  Pred. No. 2.6e-129;
  Matches  445;  Conservative    0;  Mismatches   14;  Indels    3;  Gaps    1;

Qy          6 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 65
              ||||||||||||||||||||||||||||||||   ||||||||||||||||||||||
Db         25 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTNNGCATGAAGCTGCTGATGGTCCT 84

Qy         66 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125
              |||||||||||||||||||||||||||||||| ||||| ||||||||||||||||||||
Db         85 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAAATTCTGCCTGCAAACTCCTGGAGGA 144

Qy        126 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 185
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        145 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 204
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Qy        186 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 245
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        205 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 264

Qy        246 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 305
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        265 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 324

Qy        306 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 365
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        325 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 384

Qy        366 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTG---TTGC 422
              ||||||||||||||||||||||||||||||||||||||||||||  | |  ||   | |
Db        385 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTTCTTTCTTGTGTTGTC 444

Qy        423 TTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATT 464
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Db        445 TTTTTATGTGGAAACTGCTAGACAACTGTTGAAACCTCAAAT 486
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RESULT 12
US-09-967-768A-62
; Sequence 62, Application US/09967768A
; Patent No. US20020150877A1
; GENERAL INFORMATION:
; APPLICANT: Augustus, Meena
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-72
; CURRENT APPLICATION NUMBER: US/09/967,768A
; CURRENT FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/60/236,109
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,034
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US/60/236,111
; PRIOR FILING DATE: 2000-09-28
; NUMBER OF SEQ ID NOS: 325
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 62
; LENGTH: 491
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-967-768A-62

Query Match 85.6%; Score 407.4; DB 9; Length 491;
Best Local Similarity 97.0%; Pred. No. 1.2e-123;
Matches 426; Conservative 0; Mismatches 11; Indels 2; Gaps 1;

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Qy         28 GACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTCATGCTGGCGGCCCTCCTCCTG 87
              |||||||||||||||||||||||||||||||||||||||||| | ||||||||||||||||
Db          1 GACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTCATGATTGCGGCCCTCCTCCTG 60

Qy         88 CACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGACATGGTTGAAAAGACCATCAAT 147
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 CACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGACATGGTTGAAAAGACCATCAAT 120

Qy        148 TCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAAGAGTTCATAGACAGTGATGCC 207
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 TCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAAGAGTTCATAGACAGTGATGCC 180

Qy        208 GCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTCAACCAGTCACATAGAACTCTG 267
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 GCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTCAACCAGTCACATAGAACTCTG 240

Qy        268 AAAAACTTTGGACTGATGATGCATACAGTGTACGACAGCATTTGGTGTAATATGAAGAGT 327
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 AAAAACTTTGGACTGATGATGCATACAGTGTACGACAGCATTTGGTGTAATATGAAGAGT 300

Qy        328 AATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACAGACTATGGCCAGAACTCATCT 387
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 AATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACAGACTATGGCCAGAACTCATCT 360

Qy        388 GTTGATTGCTAGAAACCACTTT--CTTCTTGTGTTGCTTTTTATGTGGGAACTGCTAGAC 445
              |||||||||||||||||||||||  |||||||||| |||| |||||||||||||||||||
Db        361 GTTGATTGCTAGAAACCACTTTTCTTTCTTGTGTTGTCTTTTTATGTGGAACTGCTAGAC 420

Qy        446 AACTGTTGAAACCTCAATT 464
              |||||||||||||||||| |
Db        421 AACTGTTGAAACCTCAAAT 439
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RESULT 13
US-10-843-641A-6207
; Sequence 6207, Application US/10843641A
; Publication No. US20050064454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US/09/954,531
; PRIOR FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/09/954,456
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,436
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/962,832
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US/09/964,824
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US/09/967,768
; PRIOR FILING DATE: 2001-09-28
; PRIOR APPLICATION NUMBER: US/09/968,007
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,347
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/09/969,708
; PRIOR FILING DATE: 2001-10-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 8447
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6207
; LENGTH: 491
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-843-641A-6207

Query Match 85.6%; Score 407.4; DB 19; Length 491;
Best Local Similarity 97.0%; Pred. No. 1.2e-123;
Matches 426; Conservative 0; Mismatches 11; Indels 2; Gaps 1;

```
Qy         28 GACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTCATGCTGGCGGCCCTCCTCCTG 87
              |||||||||||||||||||||||||||||||||||||||||| | ||||||||||||||||
Db          1 GACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTCATGATTGCGGCCCTCCTCCTG 60

Qy         88 CACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGACATGGTTGAAAAGACCATCAAT 147
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 CACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGACATGGTTGAAAAGACCATCAAT 120

Qy        148 TCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAAGAGTTCATAGACAGTGATGCC 207
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 TCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAAGAGTTCATAGACAGTGATGCC 180

Qy        208 GCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTCAACCAGTCACATAGAACTCTG 267
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 GCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTCAACCAGTCACATAGAACTCTG 240

Qy        268 AAAAACTTTGGACTGATGATGCATACAGTGTACGACAGCATTTGGTGTAATATGAAGAGT 327
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db        241 AAAAACTTTGGACTGATGATGCATACAGTGTACGACAGCATTTGGTGTAATATGAAGAGT 300

Qy        328 AATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACAGACTATGGCCAGAACTCATCT 387
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 AATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACAGACTATGGCCAGAACTCATCT 360

Qy        388 GTTGATTGCTAGAAACCACTTT--CTTCTTGTGTTGCTTTTTATGTGGGAACTGCTAGAC 445
              |||||||||||||||||||||  ||||||||||  ||||    ||||||||||||
Db        361 GTTGATTGCTAGAAACCACTTTTCTTTCTTGTGTTGTCTTTTTATGTGGAACTGCTAGAC 420

Qy        446 AACTGTTGAAACCTCAATT 464
              ||||||||||||||||| |
Db        421 AACTGTTGAAACCTCAAAT 439
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RESULT 14
US-09-814-353-2203/c
; Sequence 2203, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
;  APPLICANT: Lee, John
;  APPLICANT:  Thompson, Pamela
;  APPLICANT:  Lillie, James
;  TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
;  TITLE OF INVENTION:  IDENTIFICATION, ASSESSMENT, PREVENTION, AND
;  TITLE OF INVENTION:  THERAPY OF OVARIAN CANCER
;  FILE REFERENCE: MRI-006B
;  CURRENT APPLICATION NUMBER: US/09/814,353
;  CURRENT FILING DATE:  2001-03-21
;  PRIOR APPLICATION NUMBER: US 60/191,031
;  PRIOR FILING DATE: 2000-03-21
;  PRIOR APPLICATION NUMBER: US 60/207,124
;  PRIOR FILING DATE: 2000-05-25
;  PRIOR APPLICATION NUMBER: US 60/211,940
;  PRIOR FILING DATE: 2000-06-15
;  PRIOR APPLICATION NUMBER: US 60/216,820
;  PRIOR FILING DATE: 2000-07-07
;  PRIOR APPLICATION NUMBER: US 60/220,661
;  PRIOR FILING DATE: 2000-07-25
;  PRIOR APPLICATION NUMBER: US 60/257,672
;  PRIOR FILING DATE: 2000-12-21
;  NUMBER OF SEQ ID NOS: 22037
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2203
;   LENGTH: 522
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 522
;   OTHER INFORMATION: n = A,T,C or G
US-09-814-353-2203

  Query Match             62.0%;  Score 295.2;  DB 10;  Length 522;
  Best Local Similarity   99.0%;  Pred. No. 1.6e-86;
  Matches  297;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          6 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 65
              ||||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        490 CTGCCACACACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 431

Qy         66 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        430 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 371

Qy        126 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 185
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        370 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 311

Qy        186 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 245
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        310 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 251
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Qy        246 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 305
              |||||||||||||||||||||||||||||||||||||||||||||||||||| | ||
Db        250 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACAAGAG 191
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RESULT 15
US-09-814-353-8543/c
; Sequence 8543, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
;  APPLICANT: Lee, John
;  APPLICANT:  Thompson, Pamela
;  APPLICANT:  Lillie, James
;  TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
;  TITLE OF INVENTION:  IDENTIFICATION, ASSESSMENT, PREVENTION, AND
;  TITLE OF INVENTION:  THERAPY OF OVARIAN CANCER
;  FILE REFERENCE: MRI-006B
;  CURRENT APPLICATION NUMBER: US/09/814,353
;  CURRENT FILING DATE:  2001-03-21
;  PRIOR APPLICATION NUMBER: US 60/191,031
;  PRIOR FILING DATE: 2000-03-21
;  PRIOR APPLICATION NUMBER: US 60/207,124
;  PRIOR FILING DATE: 2000-05-25
;  PRIOR APPLICATION NUMBER: US 60/211,940
;  PRIOR FILING DATE: 2000-06-15
;  PRIOR APPLICATION NUMBER: US 60/216,820
;  PRIOR FILING DATE: 2000-07-07
;  PRIOR APPLICATION NUMBER: US 60/220,661
;  PRIOR FILING DATE: 2000-07-25
;  PRIOR APPLICATION NUMBER: US 60/257,672
;  PRIOR FILING DATE: 2000-12-21
;  NUMBER OF SEQ ID NOS: 22037
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8543
;   LENGTH: 522
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 522
;   OTHER INFORMATION: n = A,T,C or G
US-09-814-353-8543

  Query Match             62.0%;  Score 295.2;  DB 10;  Length 522;
  Best Local Similarity   99.0%;  Pred. No. 1.6e-86;
  Matches  297;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          6 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 65
              ||||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        490 CTGCCACACACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 431

Qy         66 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        430 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 371

Qy        126 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 185
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        370 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 311

Qy        186 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 245
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        310 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 251

Qy        246 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 305
              |||||||||||||||||||||||||||||||||||||||||||||||||||| | ||
Db        250 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACAAGAG 191


Search completed: May  9, 2005, 22:19:36
Job time : 479 secs
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: May 9, 2005, 14:11:04 ; Search time 157 Seconds
(without alignments)
4960.941 Million cell updates/sec

Title: US-09-806-302A-1
Perfect score: 476
Sequence: 1 acgagctgccacgcacgact.....cctcaattcattccatttca 476

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.		Score	% Query Match	Length	DB	ID	Description
1		476	100.0	476	3	US-08-821-451A-5	Sequence 5, Appli
2		476	100.0	476	3	US-09-263-810-5	Sequence 5, Appli
3		476	100.0	476	3	US-09-583-169-5	Sequence 5, Appli
4		431.6	90.7	517	4	US-09-673-395A-33	Sequence 33, Appl
5		431.6	90.7	518	4	US-09-949-016-2553	Sequence 2553, Ap
6		424	89.1	473	4	US-09-471-276-767	Sequence 767, App
7		223.8	47.0	495	3	US-08-969-987-5	Sequence 5, Appli
8		223.8	47.0	503	1	US-08-455-896-1	Sequence 1, Appli
9		223.8	47.0	503	2	US-08-933-149-1	Sequence 1, Appli
10		223.8	47.0	503	2	US-09-082-343-1	Sequence 1, Appli
11		223.8	47.0	503	3	US-09-082-253-1	Sequence 1, Appli
12		223.8	47.0	503	4	US-09-162-622-1	Sequence 1, Appli
13		223.8	47.0	503	4	US-09-509-015-1	Sequence 1, Appli
14		223.8	47.0	503	4	US-09-949-016-4608	Sequence 4608, Ap
15		223.8	47.0	503	5	PCT-US96-08235-1	Sequence 1, Appli
16		223.8	47.0	535	3	US-09-215-818-1	Sequence 1, Appli
17		223.8	47.0	535	4	US-09-467-602A-1	Sequence 1, Appli
18		201.2	42.3	403	1	US-08-455-896-5	Sequence 5, Appli
19		201.2	42.3	403	2	US-08-933-149-5	Sequence 5, Appli
20		201.2	42.3	403	2	US-09-082-343-5	Sequence 5, Appli
21		201.2	42.3	403	3	US-09-082-253-5	Sequence 5, Appli
22		201.2	42.3	403	4	US-09-162-622-5	Sequence 5, Appli
23		201.2	42.3	403	4	US-09-509-015-5	Sequence 5, Appli
24		201.2	42.3	403	5	PCT-US96-08235-5	Sequence 5, Appli
25		191.8	40.3	9261	4	US-09-949-016-14295	Sequence 14295, A
26	c	191.8	40.3	9850	4	US-09-949-016-15242	Sequence 15242, A
27		153.4	32.2	279	4	US-09-162-622-15	Sequence 15, Appl
28		153.4	32.2	1233	4	US-09-620-405B-492	Sequence 492, App
29		153.4	32.2	1233	4	US-09-834-759-492	Sequence 492, App
30		153.4	32.2	2232	4	US-09-620-405B-491	Sequence 491, App
31		153.4	32.2	2232	4	US-09-834-759-491	Sequence 491, App
32		153.4	32.2	3288	4	US-09-620-405B-490	Sequence 490, App
33		153.4	32.2	3288	4	US-09-834-759-490	Sequence 490, App
34	c	140.2	29.5	356	4	US-09-389-681-217	Sequence 217, App
35	c	140.2	29.5	356	4	US-09-620-405B-217	Sequence 217, App
36	c	140.2	29.5	356	4	US-09-339-338-217	Sequence 217, App
37	c	140.2	29.5	356	4	US-09-433-826B-217	Sequence 217, App
38	c	140.2	29.5	356	4	US-09-604-287A-217	Sequence 217, App
39	c	140.2	29.5	356	4	US-09-834-759-217	Sequence 217, App
40	c	140.2	29.5	356	4	US-09-590-751A-217	Sequence 217, App
41	c	140.2	29.5	356	4	US-09-551-621-217	Sequence 217, App
42		122.4	25.7	511	4	US-09-389-681-182	Sequence 182, App
43		122.4	25.7	511	4	US-09-620-405B-182	Sequence 182, App
44		122.4	25.7	511	4	US-09-339-338-182	Sequence 182, App
45		122.4	25.7	511	4	US-09-433-826B-182	Sequence 182, App

ALIGNMENTS

RESULT 1
US-08-821-451A-5
; Sequence 5, Application US/08821451A
; Patent No. 6066724
; GENERAL INFORMATION:
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
; TITLE OF INVENTION: Human Endometrial Specific Steroid-
; TITLE OF INVENTION: Binding Factor I, II and III
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/821,451A
; FILING DATE: March 21, 1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/014,724
; FILING DATE: March 21, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 476 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: cDNA
US-08-821-451A-5

Query Match 100.0%; Score 476; DB 3; Length 476;
Best Local Similarity 100.0%; Pred. No. 8.5e-145;
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACGAGCTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATG 60

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Db          1 ACGAGCTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATG 60

Qy         61 GTCCTCATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTG 120
Db         61 GTCCTCATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTG 120

Qy        121 GAGGACATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTT 180
Db        121 GAGGACATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTT 180

Qy        181 CTTCAAGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGT 240
Db        181 CTTCAAGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGT 240

Qy        241 TTCCTCAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTAC 300
Db        241 TTCCTCAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTAC 300

Qy        301 GACAGCATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGG 360
Db        301 GACAGCATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGG 360

Qy        361 GCTACAGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTGTT 420
Db        361 GCTACAGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTGTT 420

Qy        421 GCTTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATTCATTCCATTTCA 476
Db        421 GCTTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATTCATTCCATTTCA 476
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RESULT 2
US-09-263-810-5
; Sequence 5, Application US/09263810
; Patent No. 6174992
; GENERAL INFORMATION:
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
; TITLE OF INVENTION: Human Endometrial Specific Steroid-
; TITLE OF INVENTION: Binding Factor I, II and III
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,810
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/821,451
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 476 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: cDNA
US-09-263-810-5

Query Match 100.0%; Score 476; DB 3; Length 476;
Best Local Similarity 100.0%; Pred. No. 8.5e-145;
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 ACGAGCTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATG 60
Db          1 ACGAGCTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATG 60

Qy         61 GTCCTCATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTG 120
Db         61 GTCCTCATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTG 120

Qy        121 GAGGACATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTT 180
Db        121 GAGGACATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTT 180

Qy        181 CTTCAAGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGT 240
Db        181 CTTCAAGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGT 240

Qy        241 TTCCTCAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTAC 300
Db        241 TTCCTCAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTAC 300

Qy        301 GACAGCATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGG 360
Db        301 GACAGCATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGG 360

Qy        361 GCTACAGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTGTT 420
Db        361 GCTACAGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTGTT 420

Qy        421 GCTTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATTCATTCCATTTCA 476
Db        421 GCTTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATTCATTCCATTTCA 476
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RESULT 3
US-09-583-169-5
; Sequence 5, Application US/09583169
; Patent No. 6338948
; GENERAL INFORMATION:
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
; TITLE OF INVENTION: Human Endometrial Specific Steroid-
; TITLE OF INVENTION: Binding Factor I, II and III
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/583,169
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/821,451
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073

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;      REFERENCE/DOCKET NUMBER:  325800-521 (PF257)
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-994-1700
;      TELEFAX:  201-994-1744
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  476 BASE PAIRS
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  cDNA
US-09-583-169-5

  Query Match           100.0%;  Score 476;  DB 3;  Length 476;
  Best Local Similarity  100.0%;  Pred. No. 8.5e-145;
  Matches  476;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ACGAGCTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATG 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 ACGAGCTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATG 60

Qy         61 GTCCTCATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTG 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 GTCCTCATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTG 120

Qy        121 GAGGACATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 GAGGACATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTT 180

Qy        181 CTTCAAGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGT 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 CTTCAAGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGT 240

Qy        241 TTCCTCAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTAC 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 TTCCTCAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTAC 300

Qy        301 GACAGCATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGG 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GACAGCATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGG 360

Qy        361 GCTACAGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTGTT 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 GCTACAGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTGTT 420

Qy        421 GCTTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATTCATTCCATTTCA 476
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 GCTTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATTCATTCCATTTCA 476


RESULT 4
US-09-673-395A-33
; Sequence 33, Application US/09673395A
; Patent No. 6620923
; GENERAL INFORMATION:
;  APPLICANT: SPECHT, THOMAS
;  APPLICANT:  HINZMANN, BERND
;  APPLICANT:  SCHMITT, ARMIN
;  APPLICANT:  PILARSKY, CHRISTIAN
;  APPLICANT:  DAHL, EDGAR
;  APPLICANT:  ROSENTHAL, ANDRE
;  TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM UTERUS TUMOR TISSUE
;  FILE REFERENCE: ALBRE-12
;  CURRENT APPLICATION NUMBER: US/09/673,395A
;  CURRENT FILING DATE:  2000-10-17
;  NUMBER OF SEQ ID NOS: 637
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
;   LENGTH: 517
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-673-395A-33

  Query Match           90.7%;  Score 431.6;  DB 4;  Length 517;
  Best Local Similarity  97.4%;  Pred. No. 2.6e-130;
  Matches  450;  Conservative    0;  Mismatches    9;  Indels    3;  Gaps    1;

Qy          6 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 65
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 60

Qy         66 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 120

Qy        126 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 185
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 180

Qy        186 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 245
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 240

Qy        246 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 305
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 300

Qy        306 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 365
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 360

Qy        366 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTG---TTGC 422
              ||||||||||||||||||||||||||||||||||||||||||||||||||  |  ||  |  |
Db        361 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTTCTTTCTTGTGTTGTC 420

Qy        423 TTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATT 464
              |||||||||||  ||||||||||||||||||||||||||| |
Db        421 TTTTTATGTGGAAACTGCTAGACAACTGTTGAAACCTCAAAT 462


RESULT 5
US-09-949-016-2553
; Sequence 2553, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2553
;   LENGTH: 518
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-2553

  Query Match           90.7%;  Score 431.6;  DB 4;  Length 518;
  Best Local Similarity  97.4%;  Pred. No. 2.7e-130;
  Matches  450;  Conservative    0;  Mismatches    9;  Indels    3;  Gaps    1;

Qy          6 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 65
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         25 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 84

Qy         66 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         85 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 144
```

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Qy        126 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 185
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        145 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 204

Qy        186 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 245
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        205 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 264

Qy        246 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 305
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        265 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 324

Qy        306 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 365
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        325 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 384

Qy        366 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTG---TTGC 422
              |||||||||||||||||||||||||||||||||||||||||  | |  ||   | |
Db        385 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTTCTTTCTTGTGTTGTC 444

Qy        423 TTTTTATGTGGGAACTGCTAGACAACTGTTGAAACCTCAATT 464
              |||||||||| |||||||||||||||||||||||||||| |
Db        445 TTTTTATGTGGAAACTGCTAGACAACTGTTGAAACCTCAAAT 486
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RESULT 6
US-09-471-276-767
; Sequence 767, Application US/09471276
; Patent No. 6822072
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6822072
; FILE REFERENCE: GENSET.025CP1
; CURRENT APPLICATION NUMBER: US/09/471,276
; CURRENT FILING DATE: 1999-12-21
; EARLIER APPLICATION NUMBER: 09/057,719
; EARLIER FILING DATE: 1998-04-09
; EARLIER APPLICATION NUMBER: 09/069,047
; EARLIER FILING DATE: 1998-04-28
; EARLIER APPLICATION NUMBER: PCT/IB99/00712
; EARLIER FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 1622
; SOFTWARE: Patent.pm
; SEQ ID NO 767
; LENGTH: 473
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 60..344
; NAME/KEY: sig_peptide
; LOCATION: 60..113
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 10.3000001907349
; OTHER INFORMATION: seq VLMLAALLLHCYA/DS
US-09-471-276-767

Query Match 89.1%; Score 424; DB 4; Length 473;
Best Local Similarity 96.9%; Pred. No. 7.5e-128;
Matches 440; Conservative 3; Mismatches 8; Indels 3; Gaps 1;

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Qy          6 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 65
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         20 CTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCT 79

Qy         66 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 125
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         80 CATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGA 139
```

```
Qy        126 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 185
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        140 CATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCA 199

Qy        186 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 245
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        200 AGAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCT 259

Qy        246 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 305
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        260 CAACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAG 319

Qy        306 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 365
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        320 CATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTAC 379

Qy        366 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTCTTCTTGTG---TTGC 422
              |||||||||||||||||||||||||||||||||||||||||  | |  ||   | |
Db        380 AGACTATGGCCAGAACTCATCTGTTGATTGCTAGAAACCACTTTTCTTTCTTGTGTTGTC 439

Qy        423 TTTTTATGTGGGAACTGCTAGACAACTGTTGAAA 456
              |:||||||:|| ||:||||||||||||||||||
Db        440 TKTTTATGWGGAAAMTGCTAGACAACTGTTGAAA 473
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RESULT 7
US-08-969-987-5
; Sequence 5, Application US/08969987A
; Patent No. 6303297
; GENERAL INFORMATION:
; APPLICANT: Lincoln, Steve
; APPLICANT: Klinger, Tod M.
; APPLICANT: Au-Young, Janice
; APPLICANT: Tang, Y. Tom
; APPLICANT: Goold, Richard
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Seilhamer, Jeffrey J.
; APPLICANT: Hawkins, Phillip R.
; APPLICANT: Murry, Lynn E.
; APPLICANT: Delegeane,Angelo M.
; APPLICANT: Levine, Wendy B.
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Goli, Surya K.
; APPLICANT: Altus, Christina M.
; APPLICANT: Bandman, Olga
; APPLICANT: LaBrie, Samuel T.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: Database for Storage and Analysis of
; TITLE OF INVENTION: Full Length Sequences
; FILE REFERENCE: 6514-069001
; CURRENT APPLICATION NUMBER: US/08/969,987A
; CURRENT FILING DATE: 1997-11-13
; EARLIER APPLICATION NUMBER: 08/282,955
; EARLIER FILING DATE: 1995-07-29
; EARLIER APPLICATION NUMBER: 08/187,530
; EARLIER FILING DATE: 1994-01-27
; EARLIER APPLICATION NUMBER: 08/179,873
; EARLIER FILING DATE: 1994-01-11
; EARLIER APPLICATION NUMBER: 08/100,523
; EARLIER FILING DATE: 1993-08-03
; EARLIER APPLICATION NUMBER: 07/977,780
; EARLIER FILING DATE: 1992-11-19
; EARLIER APPLICATION NUMBER: 07/916,491
; EARLIER FILING DATE: 1992-07-17
; EARLIER APPLICATION NUMBER: 08/289,822
; EARLIER FILING DATE: 1994-08-12
; EARLIER APPLICATION NUMBER: 08/581,240
; EARLIER FILING DATE: 1995-12-29
; EARLIER APPLICATION NUMBER: 08/657,697
; EARLIER FILING DATE: 1996-05-29
; EARLIER APPLICATION NUMBER: 08/747,547
; EARLIER FILING DATE: 1996-11-12
; EARLIER APPLICATION NUMBER: 08/712,710

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;  EARLIER FILING DATE: 1996-09-12
;  EARLIER APPLICATION NUMBER: 08/744,026
;  EARLIER FILING DATE: 1996-11-05
;  EARLIER APPLICATION NUMBER: 08/786,999
;  EARLIER FILING DATE: 1997-01-23
;  EARLIER APPLICATION NUMBER: 08/822,262
;  EARLIER FILING DATE: 1997-03-20
;  EARLIER APPLICATION NUMBER: 08/951,750
;  EARLIER FILING DATE: 1997-10-16
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
;   LENGTH: 495
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-08-969-987-5

  Query Match             47.0%;  Score 223.8;  DB 3;  Length 495;
  Best Local Similarity   71.4%;  Pred. No. 1.4e-62;
  Matches  325;  Conservative    0;  Mismatches  122;  Indels    8;  Gaps    2;

Qy          7 TGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTC 66
              |||||| | |||||||||||| ||||||||| ||||| |||||||| ||||||||||||||
Db          7 TGCCACCCGCGACTGAACACCGACAGCAGCAGCCTCACCATGAAGTTGCTGATGGTCCTC 66

Qy         67 ATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGAC 126
              ||||||||||||||  || |||||||||  ||||  ||||||||     | |||||  |
Db         67 ATGCTGGCGGCCCTCTCCCAGCACTGCTACGCAGGCTCTGGCTGCCCCTTATTGGAGAAT 126

Qy        127 ATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAA 186
              ||  ||   |||||  ||||||  |   |  | ||||   |||||||||||||  |||||||||
Db        127 GTGATTTCCAAGACAATCAATCCACAAGTGTCTAAGACTGAATACAAAGAACTTCTTCAA 186

Qy        187 GAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTC 246
              ||||||||||||    |||||  ||  ||  |  ||  ||  |   ||||  |||  |  |||||  ||
Db        187 GAGTTCATAGACGACAATGCCACTACAAATGCCATAGATGAATTGAAGGAATGTTTTCTT 246

Qy        247 AACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAGC 306
              |||||  |  ||  ||||||||  ||  |||  ||  |  |||||  |  |  ||  ||||||
Db        247 AACCAAACGGATGAAACTCTGAGCAATGTTGAGGTGTTTATGCAATTAATATATGACAGC 306

Qy        307 ATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACA 366
              | |   |||  ||  |          ||||||||   ||||  |  ||||||||| ||  ||  ||
Db        307 AGTCTTTGTGATTT------ATTTTAACTTTCTGCAAGACCTTTGGCTCACAGAACTGCA 360

Qy        367 GACTATGGCCAGAACTCATCTGTTGATTGCTAGAAAC--CACTTTCTTCTTGTGTTGCTT 424
              |  |||||  ||||  ||  ||   |||||||  ||||  |||  ||||  ||  |  ||  |
Db        361 GGGTATGGTGAGAAACCAACTACGGATTGCTGCAAACCACACCTTCTCTTTCTTATGTCT 420

Qy        425 TTTATGTGGGAACTGCTAGACAACTGTTGAAACCT 459
              |||   |   ||||  |  ||||||  ||||||||||
Db        421 TTTTACTACAAACTACAAGACAATTGTTGAAACCT 455


RESULT 8
US-08-455-896-1
; Sequence 1, Application US/08455896
; Patent No. 5668267
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  DNA SEQUENCE AND ENCODED
;    TITLE OF INVENTION:  MAMMARY-SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,896
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  952726
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  503 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-455-896-1

  Query Match             47.0%;  Score 223.8;  DB 1;  Length 503;
  Best Local Similarity   71.4%;  Pred. No. 1.4e-62;
  Matches  325;  Conservative    0;  Mismatches  122;  Indels    8;  Gaps    2;

Qy          7 TGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTC 66
              |||||| | |||||||||||| ||||||||| ||||| |||||||| ||||||||||||||
Db         22 TGCCACCCGCGACTGAACACCGACAGCAGCAGCCTCACCATGAAGTTGCTGATGGTCCTC 81

Qy         67 ATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGAC 126
              ||||||||||||||  || |||||||||  ||||  ||||||||     | |||||  |
Db         82 ATGCTGGCGGCCCTCTCCCAGCACTGCTACGCAGGCTCTGGCTGCCCCTTATTGGAGAAT 141

Qy        127 ATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAA 186
              ||  ||   |||||  ||||||  |   |  | ||||   |||||||||||||  |||||||||
Db        142 GTGATTTCCAAGACAATCAATCCACAAGTGTCTAAGACTGAATACAAAGAACTTCTTCAA 201

Qy        187 GAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTC 246
              ||||||||||||    |||||  ||  ||  |  ||  ||  |   ||||  |||  |  |||||  ||
Db        202 GAGTTCATAGACGACAATGCCACTACAAATGCCATAGATGAATTGAAGGAATGTTTTCTT 261

Qy        247 AACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAGC 306
              |||||  |  ||  ||||||||  ||  |||  ||  |  |||||  |  |  ||  ||||||
Db        262 AACCAAACGGATGAAACTCTGAGCAATGTTGAGGTGTTTATGCAATTAATATATGACAGC 321

Qy        307 ATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACA 366
              | |   |||  ||  |          ||||||||   ||||  |  ||||||||| ||  ||  ||
Db        322 AGTCTTTGTGATTT------ATTTTAACTTTCTGCAAGACCTTTGGCTCACAGAACTGCA 375

Qy        367 GACTATGGCCAGAACTCATCTGTTGATTGCTAGAAAC--CACTTTCTTCTTGTGTTGCTT 424
              |  |||||  ||||  ||  ||   |||||||  ||||  |||  ||||  ||  |  ||  |
Db        376 GGGTATGGTGAGAAACCAACTACGGATTGCTGCAAACCACACCTTCTCTTTCTTATGTCT 435

Qy        425 TTTATGTGGGAACTGCTAGACAACTGTTGAAACCT 459
              |||   |   ||||  |  ||||||  ||||||||||
Db        436 TTTTACTACAAACTACAAGACAATTGTTGAAACCT 470


RESULT 9
US-08-933-149-1
; Sequence 1, Application US/08933149
; Patent No. 5922836
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  MAMMAGLOBIN, A SECRETED
;    TITLE OF INVENTION:  MAMMARY SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
```

```
;      ADDRESSEE:  HOWELL & HAFERKAMP, L.C.
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/933,149
;      FILING DATE:
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HENDERSON, MELODIE W.
;      REGISTRATION NUMBER:  37,848
;      REFERENCE/DOCKET NUMBER:  6029-6040
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  503 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-933-149-1

  Query Match             47.0%;  Score 223.8;  DB 2;  Length 503;
  Best Local Similarity   71.4%;  Pred. No. 1.4e-62;
  Matches  325;  Conservative    0;  Mismatches  122;  Indels    8;  Gaps    2;

Qy          7 TGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTC 66
              |||||| | |||||||||| ||||||| ||||| |||||||| ||||||||||||||
Db         22 TGCCACCCGCGACTGAACACCGACAGCAGCAGCCTCACCATGAAGTTGCTGATGGTCCTC 81

Qy         67 ATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGAC 126
              |||||||||||||||  || ||||||||| ||||  |||||||||     |  ||||| |
Db         82 ATGCTGGCGGCCCTCTCCCAGCACTGCTACGCAGGCTCTGGCTGCCCCTTATTGGAGAAT 141

Qy        127 ATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAA 186
               || ||   ||||| |||||| |  |  | ||||   |||||||||||| |||||||||
Db        142 GTGATTTCCAAGACAATCAATCCACAAGTGTCTAAGACTGAATACAAAGAACTTCTTCAA 201

Qy        187 GAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTC 246
              ||||||||||||    ||||| || || | || || |   |||| ||| | ||||| ||
Db        202 GAGTTCATAGACGACAATGCCACTACAAATGCCATAGATGAATTGAAGGAATGTTTTCTT 261

Qy        247 AACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAGC 306
              |||||  |  ||  |||||||  ||  |||   || | |||||  | | || ||||||
Db        262 AACCAAACGGATGAAACTCTGAGCAATGTTGAGGTGTTTATGCAATTAATATATGACAGC 321

Qy        307 ATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACA 366
              | |   ||| || |          |||||||   |||| | |||||||| ||  || ||
Db        322 AGTCTTTGTGATTT------ATTTTAACTTTCTGCAAGACCTTTGGCTCACAGAACTGCA 375

Qy        367 GACTATGGCCAGAACTCATCTGTTGATTGCTAGAAAC--CACTTTCTTCTTGTGTTGCTT 424
              |  |||||  ||||  || ||  |||||||  ||||  ||| |||| || |  ||  |
Db        376 GGGTATGGTGAGAAACCAACTACGGATTGCTGCAAACCACACCTTCTCTTTCTTATGTCT 435

Qy        425 TTTATGTGGGAACTGCTAGACAACTGTTGAAACCT 459
              |||   |   ||||  | ||||||  ||||||||||
Db        436 TTTTACTACAAACTACAAGACAATTGTTGAAACCT 470


RESULT 10
US-09-082-343-1
; Sequence 1, Application US/09082343
```

```
; Patent No. 5968754
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  DNA SEQUENCE AND ENCODED
;    TITLE OF INVENTION:  MAMMARY-SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/082,343
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/455,896
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  952726
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  503 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-082-343-1

  Query Match             47.0%;  Score 223.8;  DB 2;  Length 503;
  Best Local Similarity   71.4%;  Pred. No. 1.4e-62;
  Matches  325;  Conservative    0;  Mismatches  122;  Indels    8;  Gaps    2;

Qy          7 TGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTC 66
              |||||| | |||||||||| ||||||| ||||| |||||||| ||||||||||||||
Db         22 TGCCACCCGCGACTGAACACCGACAGCAGCAGCCTCACCATGAAGTTGCTGATGGTCCTC 81

Qy         67 ATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGAC 126
              |||||||||||||||  || ||||||||| ||||  |||||||||     |  ||||| |
Db         82 ATGCTGGCGGCCCTCTCCCAGCACTGCTACGCAGGCTCTGGCTGCCCCTTATTGGAGAAT 141

Qy        127 ATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAA 186
               || ||   ||||| |||||| |  |  | ||||   |||||||||||| |||||||||
Db        142 GTGATTTCCAAGACAATCAATCCACAAGTGTCTAAGACTGAATACAAAGAACTTCTTCAA 201

Qy        187 GAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTC 246
              ||||||||||||    ||||| || || | || || |   |||| ||| | ||||| ||
Db        202 GAGTTCATAGACGACAATGCCACTACAAATGCCATAGATGAATTGAAGGAATGTTTTCTT 261

Qy        247 AACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAGC 306
              |||||  |  ||  |||||||  ||  |||   || | |||||  | | || ||||||
Db        262 AACCAAACGGATGAAACTCTGAGCAATGTTGAGGTGTTTATGCAATTAATATATGACAGC 321

Qy        307 ATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACA 366
              | |   ||| || |          |||||||   |||| | |||||||| ||  || ||
Db        322 AGTCTTTGTGATTT------ATTTTAACTTTCTGCAAGACCTTTGGCTCACAGAACTGCA 375

Qy        367 GACTATGGCCAGAACTCATCTGTTGATTGCTAGAAAC--CACTTTCTTCTTGTGTTGCTT 424
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                |  |||||  ||||  || ||   |||||||  ||||  ||| ||||  || |  ||  |
Db        376 GGGTATGGTGAGAAACCAACTACGGATTGCTGCAAACCACACCTTCTCTTTCTTATGTCT 435

Qy        425 TTTATGTGGGAACTGCTAGACAACTGTTGAAACCT 459
              |||    |   |||| | |||||| ||||||||||
Db        436 TTTTACTACAAACTACAAGACAATTGTTGAAACCT 470
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RESULT 11
US-09-082-253-1
; Sequence 1, Application US/09082253
; Patent No. 6004756
; GENERAL INFORMATION:
; APPLICANT: WATSON, MARK A.
; APPLICANT: FLEMING, TIMOTHY P.
; TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
; TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
; STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105-1817
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/082,253
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/455,896
; FILING DATE: 05/31/1995
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 952726
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 503 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-09-082-253-1

Query Match 47.0%; Score 223.8; DB 3; Length 503;
Best Local Similarity 71.4%; Pred. No. 1.4e-62;
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;

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Qy          7 TGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTC 66
              |||||| | |||||||||| ||||||||| ||||| |||||||| ||||||||||||||
Db         22 TGCCACCCGCGACTGAACACCGACAGCAGCAGCCTCACCATGAAGTTGCTGATGGTCCTC 81

Qy         67 ATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGAC 126
              |||||||||||||||  || |||||||| ||||  ||||||||     | ||||| |
Db         82 ATGCTGGCGGCCCTCTCCCAGCACTGCTACGCAGGCTCTGGCTGCCCCTTATTGGAGAAT 141

Qy        127 ATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAA 186
              ||  ||   ||||| |||||| |  |  | ||||   |||||||||||| |||||||||
Db        142 GTGATTTCCAAGACAATCAATCCACAAGTGTCTAAGACTGAATACAAAGAACTTCTTCAA 201

Qy        187 GAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTC 246
              ||||||||||||    ||||| || || | || || |   |||| ||| | ||||| ||
```

```
Db        202 GAGTTCATAGACGACAATGCCACTACAAATGCCATAGATGAATTGAAGGAATGTTTTCTT 261

Qy        247 AACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAGC 306
              |||||  |  ||  |||||||| ||  |||   || | |||||   | | || ||||||
Db        262 AACCAAACGGATGAAACTCTGAGCAATGTTGAGGTGTTTATGCAATTAATATATGACAGC 321

Qy        307 ATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACA 366
              | |   ||| || |          ||||||||   |||| | ||||||||| ||  || ||
Db        322 AGTCTTTGTGATTT------ATTTTAACTTTCTGCAAGACCTTTGGCTCACAGAACTGCA 375

Qy        367 GACTATGGCCAGAACTCATCTGTTGATTGCTAGAAAC--CACTTTCTTCTTGTGTTGCTT 424
              |  |||||  ||||  || ||   |||||||  ||||  ||| ||||  || |  ||  |
Db        376 GGGTATGGTGAGAAACCAACTACGGATTGCTGCAAACCACACCTTCTCTTTCTTATGTCT 435

Qy        425 TTTATGTGGGAACTGCTAGACAACTGTTGAAACCT 459
              |||    |   |||| | |||||| ||||||||||
Db        436 TTTTACTACAAACTACAAGACAATTGTTGAAACCT 470
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RESULT 12
US-09-162-622-1
; Sequence 1, Application US/09162622
; Patent No. 6566072
; GENERAL INFORMATION:
; APPLICANT: WATSON, MARK A
; APPLICANT: FLEMING, TIMOTHY P
; TITLE OF INVENTION: Mammaglobin, A Secreted Mammary-Specific Breast Cancer
; TITLE OF INVENTION: Protein
; FILE REFERENCE: 6029-5134
; CURRENT APPLICATION NUMBER: US/09/162,622
; CURRENT FILING DATE: 1998-09-29
; EARLIER APPLICATION NUMBER: 08/933,149
; EARLIER FILING DATE: 1997-09-18
; EARLIER APPLICATION NUMBER: PCT/US96/08235
; EARLIER FILING DATE: 1996-05-31
; EARLIER APPLICATION NUMBER: 08/455,896
; EARLIER FILING DATE: 1995-05-31
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 503
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-162-622-1

Query Match 47.0%; Score 223.8; DB 4; Length 503;
Best Local Similarity 71.4%; Pred. No. 1.4e-62;
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2;

```
Qy          7 TGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTC 66
              |||||| | |||||||||| ||||||||| ||||| |||||||| ||||||||||||||
Db         22 TGCCACCCGCGACTGAACACCGACAGCAGCAGCCTCACCATGAAGTTGCTGATGGTCCTC 81

Qy         67 ATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGAC 126
              |||||||||||||||  || |||||||| ||||  ||||||||     | ||||| |
Db         82 ATGCTGGCGGCCCTCTCCCAGCACTGCTACGCAGGCTCTGGCTGCCCCTTATTGGAGAAT 141

Qy        127 ATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAA 186
              ||  ||   ||||| |||||| |  |  | ||||   |||||||||||| |||||||||
Db        142 GTGATTTCCAAGACAATCAATCCACAAGTGTCTAAGACTGAATACAAAGAACTTCTTCAA 201

Qy        187 GAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTC 246
              ||||||||||||    ||||| || || | || || |   |||| ||| | ||||| ||
Db        202 GAGTTCATAGACGACAATGCCACTACAAATGCCATAGATGAATTGAAGGAATGTTTTCTT 261

Qy        247 AACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAGC 306
              |||||  |  ||  |||||||| ||  |||   || | |||||   | | || ||||||
Db        262 AACCAAACGGATGAAACTCTGAGCAATGTTGAGGTGTTTATGCAATTAATATATGACAGC 321

Qy        307 ATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACA 366
              | |   ||| || |          ||||||||   |||| | ||||||||| ||  || ||
Db        322 AGTCTTTGTGATTT------ATTTTAACTTTCTGCAAGACCTTTGGCTCACAGAACTGCA 375
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```
Qy        367 GACTATGGCCAGAACTCATCTGTTGATTGCTAGAAAC--CACTTTCTTCTTGTGTTGCTT 424
              |  |||||  ||||  || ||  |||||||  ||||  ||| ||||  || |  ||  |
Db        376 GGGTATGGTGAGAAACCAACTACGGATTGCTGCAAACCACACCTTCTCTTTCTTATGTCT 435

Qy        425 TTTATGTGGGAACTGCTAGACAACTGTTGAAACCT 459
              |||   |  |||| | |||||| ||||||||||
Db        436 TTTTACTACAAACTACAAGACAATTGTTGAAACCT 470
```

```
RESULT 13
US-09-509-015-1
; Sequence 1, Application US/09509015
; Patent No. 6677428
;  GENERAL INFORMATION:
;       APPLICANT: WATSON, MARK S.; FLEMING, TIMOTHY P.
;       TITLE OF INVENTION: MAMMAGLOBIN, A SECRETED
;                           MAMMARY SPECIFIC BREAST CANCER PROTEIN
;       NUMBER OF SEQUENCES: 14
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: HOWELL & HAFERKAMP, L.C.
;            STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
;            CITY: ST. LOUIS
;            STATE: MISSOURI
;            COUNTRY: USA
;            ZIP: 63105-1817
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/509,015
;            FILING DATE: 30-May-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: PCT/US98/17991
;            FILING DATE: 1998-09-18
;            APPLICATION NUMBER: 08/933,149
;            FILING DATE: 1997-09-18
;       ATTORNEY/AGENT INFORMATION:
;            NAME: KASTEN, DANIEL S.
;            REGISTRATION NUMBER: 45,363
;            REFERENCE/DOCKET NUMBER: 6029-3654
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (314) 727-5188
;            TELEFAX: (314) 727-6092
;  INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 503 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA to mRNA
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-509-015-1

  Query Match             47.0%;  Score 223.8;  DB 4;  Length 503;
  Best Local Similarity   71.4%;  Pred. No. 1.4e-62;
  Matches  325;  Conservative    0;  Mismatches  122;  Indels    8;  Gaps    2;

Qy          7 TGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTC 66
              |||||| | |||||||||| ||||||||| ||||| |||||||| ||||||||||||||
Db         22 TGCCACCCGCGACTGAACACCGACAGCAGCAGCCTCACCATGAAGTTGCTGATGGTCCTC 81

Qy         67 ATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGAC 126
              ||||||||||||||  || |||||||| |||| |||||||||     |  ||||| |
Db         82 ATGCTGGCGGCCCTCTCCCAGCACTGCTACGCAGGCTCTGGCTGCCCCTTATTGGAGAAT 141

Qy        127 ATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAA 186
               || ||   ||||| |||||| |  |  | ||||   |||||||||||||| |||||||||
Db        142 GTGATTTCCAAGACAATCAATCCACAAGTGTCTAAGACTGAATACAAAGAACTTCTTCAA 201

Qy        187 GAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTC 246
              |||||||||||    ||||| || || | || || |   |||| ||| | ||||| ||
Db        202 GAGTTCATAGACGACAATGCCACTACAAATGCCATAGATGAATTGAAGGAATGTTTTCTT 261

Qy        247 AACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAGC 306
              |||||  |  ||  |||||||| ||  |||   || | |||||   | | || ||||||
Db        262 AACCAAACGGATGAAACTCTGAGCAATGTTGAGGTGTTTATGCAATTAATATATGACAGC 321

Qy        307 ATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACA 366
              | |   |||| || |         ||||||||   |||| | |||||||||| ||  || ||
Db        322 AGTCTTTGTGATTT------ATTTTAACTTTCTGCAAGACCTTTGGCTCACAGAACTGCA 375

Qy        367 GACTATGGCCAGAACTCATCTGTTGATTGCTAGAAAC--CACTTTCTTCTTGTGTTGCTT 424
              |  |||||  ||||  || ||  |||||||  ||||  ||| ||||  || |  ||  |
Db        376 GGGTATGGTGAGAAACCAACTACGGATTGCTGCAAACCACACCTTCTCTTTCTTATGTCT 435

Qy        425 TTTATGTGGGAACTGCTAGACAACTGTTGAAACCT 459
              |||   |  |||| | |||||| ||||||||||
Db        436 TTTTACTACAAACTACAAGACAATTGTTGAAACCT 470
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RESULT 14
US-09-949-016-4608
; Sequence 4608, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4608
;   LENGTH: 503
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-4608

  Query Match             47.0%;  Score 223.8;  DB 4;  Length 503;
  Best Local Similarity   71.4%;  Pred. No. 1.4e-62;
  Matches  325;  Conservative    0;  Mismatches  122;  Indels    8;  Gaps    2;

Qy          7 TGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTC 66
              |||||| | |||||||||| ||||||||| ||||| |||||||| ||||||||||||||
Db         22 TGCCACCCGCGACTGAACACCGACAGCAGCAGCCTCACCATGAAGTTGCTGATGGTCCTC 81

Qy         67 ATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGAC 126
              ||||||||||||||  || |||||||| |||| |||||||||     |  ||||| |
Db         82 ATGCTGGCGGCCCTCTCCCAGCACTGCTACGCAGGCTCTGGCTGCCCCTTATTGGAGAAT 141

Qy        127 ATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAA 186
               || ||   ||||| |||||| |  |  | ||||   |||||||||||||| |||||||||
Db        142 GTGATTTCCAAGACAATCAATCCACAAGTGTCTAAGACTGAATACAAAGAACTTCTTCAA 201

Qy        187 GAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTC 246
              |||||||||||    ||||| || || | || || |   |||| ||| | ||||| ||
Db        202 GAGTTCATAGACGACAATGCCACTACAAATGCCATAGATGAATTGAAGGAATGTTTTCTT 261

Qy        247 AACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAGC 306
              |||||  |  ||  |||||||| ||  |||   || | |||||   | | || ||||||
Db        262 AACCAAACGGATGAAACTCTGAGCAATGTTGAGGTGTTTATGCAATTAATATATGACAGC 321

Qy        307 ATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACA 366
              | |   |||| || |         ||||||||   |||| | |||||||||| ||  || ||
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Db        322 AGTCTTTGTGATTT------ATTTTAACTTTCTGCAAGACCTTTGGCTCACAGAACTGCA 375

Qy        367 GACTATGGCCAGAACTCATCTGTTGATTGCTAGAAAC--CACTTTCTTCTTGTGTTGCTT 424

Db        376 GGGTATGGTGAGAAACCAACTACGGATTGCTGCAAACCACACCTTCTCTTTCTTATGTCT 435

Qy        425 TTTATGTGGGAACTGCTAGACAACTGTTGAAACCT 459

Db        436 TTTTACTACAAACTACAAGACAATTGTTGAAACCT 470


RESULT 15
PCT-US96-08235-1
; Sequence 1, Application PC/TUS9608235
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  DNA SEQUENCE AND ENCODED
;    TITLE OF INVENTION:  MAMMARY-SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/08235
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  964796
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  503 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US96-08235-1

  Query Match             47.0%;  Score 223.8;  DB 5;  Length 503;
  Best Local Similarity   71.4%;  Pred. No. 1.4e-62;
  Matches  325;  Conservative    0;  Mismatches  122;  Indels    8;  Gaps    2;

Qy          7 TGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTGCTGATGGTCCTC 66

Db         22 TGCCACCCGCGACTGAACACCGACAGCAGCAGCCTCACCATGAAGTTGCTGATGGTCCTC 81

Qy         67 ATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAACTCCTGGAGGAC 126

Db         82 ATGCTGGCGGCCCTCTCCCAGCACTGCTACGCAGGCTCTGGCTGCCCCTTATTGGAGAAT 141

Qy        127 ATGGTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACAAAGAGCTTCTTCAA 186

Db        142 GTGATTTCCAAGACAATCAATCCACAAGTGTCTAAGACTGAATACAAAGAACTTCTTCAA 201

Qy        187 GAGTTCATAGACAGTGATGCCGCTGCAGAGGCTATGGGGAAATTCAAGCAGTGTTTCCTC 246

Db        202 GAGTTCATAGACGACAATGCCACTACAAATGCCATAGATGAATTGAAGGAATGTTTTCTT 261

Qy        247 AACCAGTCACATAGAACTCTGAAAAACTTTGGACTGATGATGCATACAGTGTACGACAGC 306

Db        262 AACCAAACGGATGAAACTCTGAGCAATGTTGAGGTGTTTATGCAATTAATATATGACAGC 321

Qy        307 ATTTGGTGTAATATGAAGAGTAATTAACTTTACCCAAGGCGTTTGGCTCAGAGGGCTACA 366

Db        322 AGTCTTTGTGATTT------ATTTTAACTTTCTGCAAGACCTTTGGCTCACAGAACTGCA 375

Qy        367 GACTATGGCCAGAACTCATCTGTTGATTGCTAGAAAC--CACTTTCTTCTTGTGTTGCTT 424

Db        376 GGGTATGGTGAGAAACCAACTACGGATTGCTGCAAACCACACCTTCTCTTTCTTATGTCT 435

Qy        425 TTTATGTGGGAACTGCTAGACAACTGTTGAAACCT 459

Db        436 TTTTACTACAAACTACAAGACAATTGTTGAAACCT 470


Search completed: May  9, 2005, 21:14:06
Job time : 163 secs
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